

VPDES PERMIT PROGRAM FACT SHEET

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a MINOR, MUNICIPAL permit. The effluent limitations contained in this permit will maintain the water quality standards of 9 VAC 25-260-00 et seq.

1. PERMIT NO.: VA0062031

EXISTING PERMIT
EXPIRATION DATE:

April 7, 2009

2. FACILITY NAME AND LOCAL MAILING ADDRESS

Evergreen Mobile Home Park STP
400 Kettle Lane
Rustburg, Virginia 24588

FACILITY PHYSICAL LOCATION (IF DIFFERENT)

Campbell County, Virginia
Lat 37° 18' 4.7"
Long 79° 09' 5.2"

FACILITY CONTACT:

NAME: Butch Royal
TITLE: Plant Operator
PHONE: (434) 665-5335
E-MAIL: broyal32@verizon.net

ALTERNATE CONTACT:

NAME:
TITLE:
PHONE: ()
E-MAIL:

3. OWNER CONTACT: (TO RECEIVE PERMIT)

NAME: Claude M. "Butch" Royal
TITLE: Owner
COMPANY NAME: Royal Mobile Homes, Inc.
ADDRESS: 134 Royal Ridge Circle
Rustburg, Virginia 24588
PHONE: (434) 821-4262
E-MAIL: broyal32@verizon.net

4. PERMIT DRAFTED BY: DEQ, Water Permits, South Central Regional Office

Permit Writer(s):	Kevin A. Crider	Date(s):	12/15/08, 1/13/09
Reviewed By:	K.D. Foster	Date(s):	12/23/08, 1/15/09

5. PERMIT CHARACTERIZATION: (Check as many as appropriate)

<input type="checkbox"/> Issuance	<input checked="" type="checkbox"/> Municipal	<input type="checkbox"/> POTW
<input checked="" type="checkbox"/> Reissuance	SIC Code <u>4952</u>	<input checked="" type="checkbox"/> PVOTW
<input type="checkbox"/> Revoke & Reissue	NAICS <u>221320</u>	<input type="checkbox"/> Private
<input type="checkbox"/> Owner Modification	<input type="checkbox"/> Industrial	<input type="checkbox"/> Federal
<input type="checkbox"/> Board Modification	SIC Code(s) _____	<input type="checkbox"/> State
<input type="checkbox"/> Change of Ownership/Name	_____	<input type="checkbox"/> Publicly-Owned Industrial
Effective Date: _____		
<input type="checkbox"/> Site-Specific WQ Criteria	<input type="checkbox"/> Interim Limits in Other Document (attach to fact sheet)	
<input type="checkbox"/> Variance to WQ Standards	<input type="checkbox"/> Concept Engineering Report Being Approved with Permit	
<input type="checkbox"/> Water Effects Ratio	<input type="checkbox"/> Possible Interstate Effect	

6. **APPLICATION COMPLETE DATE:** October 22, 2008

7. **RECEIVING WATERS CLASSIFICATION:** River basin information.

Outfall No: 001

Receiving Stream:	Unnamed tributary to Tussocky Creek	7-Day/10-Year Low Flow:	0.0 MGD
River Mile:	1.98	7-Day/10-Year High Flow:	0.0 MGD
Basin:	James River	1-Day/10-Year Low Flow:	0.0 MGD
Subbasin:	James River (Upper)	1-Day/10-Year High Flow:	0.0 MGD
Section:	11e	30-Day/5-Year Low Flow:	0.0 MGD
Class:	III	30-Day/10-Year Low Flow:	0.0 MGD
Special Standard(s):	None	Harmonic Mean Flow:	0.0 MGD
Water Shed:	VAC-H05R (James River)		

8. **FACILITY DESCRIPTION:** Describe the type facility from which the discharges originate.

Existing municipal discharge resulting from the discharge of treated domestic sewage.

The facility is a wastewater treatment system serving a mobile home community of 206 people. The Evergreen Mobile Home Park STP is located off Virginia Route 680 at 400 Kettle Lane in Campbell County. The discharge is to an unnamed tributary to Tussocky Creek.

There are no industrial users contributing to the treatment works.

9. **LICENSED WASTEWATER OPERATOR REQUIREMENTS:** () No (X) Yes Class: III

10. **RELIABILITY CLASS:** III

11. **SITE INSPECTION DATE:** August 30, 2006 **REPORT DATE:** September 7, 2006

Performed By: SCRO Water Inspection Staff

Only the first page of the inspection report is included. See the inspection file for a full copy of the report.

SEE ATTACHMENT 1

12. **DISCHARGE(S) LOCATION DESCRIPTION:** Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.

Name of Topo: City Farm

Quadrant No.: 106C

SEE ATTACHMENT 2

13. **ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, ALSO PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES. FOR MUNICIPAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE TREATMENT PROVIDED.**

Narrative:

SEE ATTACHMENT 3

14. **DISCHARGE DESCRIPTION:** Describe each discharge originating from this facility.

SEE ATTACHMENT 4

15. **COMBINED TOTAL FLOW:**

TOTAL: **0.024 MGD** (for public notice)

PROCESS FLOW: 0 MGD (IND.)

NONPROCESS FLOW: 0 MGD (IND.)

DESIGN FLOW: **0.024 MGD** (MUN.)

16. **STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS:** (Check all which are appropriate)

☒ State Water Control Law
☒ Clean Water Act
☒ VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
☒ EPA NPDES Regulation (Federal Register)
☐ EPA Effluent Guidelines [40 CFR 400 – 471 (industrial)]
☒ EPA Effluent Guidelines [40 CFR 133 (municipal 2⁰ treatment)]
☒ Water Quality Standards (9 VAC 25-260-00 et seq.)
☐ Waste load Allocation from a TMDL or River Basin Plan

17. **LIMITATIONS/MONITORING:** Include all effluent limitations and monitoring requirements being placed in the permit for each outfall, including any WET limits. If applicable, include any limitations and monitoring requirements being included for sludge and ground water.

There are no applicable limitations and monitoring requirements for sludge. Sludge is hauled to the Lynchburg Regional Wastewater Treatment Plant (VPDES permitted facility – VA0024970) for further treatment and final disposal.

As backup, lime is added to the sludge as treatment and transported to Campbell County Landfill for disposal.

There are no applicable limitations and monitoring requirements for ground water.

SEE ATTACHMENT 5

18. **SPECIAL CONDITIONS:** Provide all actual permit special conditions, including compliance schedules, toxic monitoring, sludge, ground water, storm water and pretreatment.

SEE ATTACHMENT 6

19. **EFFLUENT/SLUDGE/GROUND WATER LIMITATIONS/MONITORING RATIONALE:** For outfalls, attach any analyses completed (MIX.EXE and WLA.EXE) and STATS printouts for individual toxic parameters. As a minimum, it will include: waste load allocation (acute, chronic and human health); statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); input data listing; and, effluent limitations determination. Include all calculations used for each outfall's set of effluent limits and incorporate the results of any water quality model(s). Include all calculations/documentation of any antidegradation or anti-backsliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limited internal waste streams and indicator pollutants. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

WAIVERS/VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested waivers to the permit application (e.g., testing requirements) or variances/alternatives to required permit conditions/limitations. This includes, but is not limited to: variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions.

N/A

SUITABLE DATA: What, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

Tier I: X **Tier II:** **Tier III:**

The State Water Control Board's Water Quality Standards regulations include an antidegradation policy (9 VAC 25-260-30). All state surface waters are provided one of three levels of antidegradation protection. For Tier I, existing use protection, existing uses of the water body and the water quality to protect these uses must be maintained. Tier II water bodies have water quality that is better than the water quality standards. Significant lowering of the water quality of Tier II waters is not allowed without an evaluation of the economic and social impacts. Tier III water bodies are exceptional waters and are so designated by regulatory amendment. The antidegradation policy prohibits new or expanded discharges into exceptional waters.

The antidegradation review begins with the Tier determination. The facility discharges to an unnamed tributary to *Tussocky Creek*. This receiving stream is not listed on the 303(d) list and no in-stream data are available that indicate the water quality criteria either have been violated or are barely met. However, the receiving stream critical flows have been determined to be equivalent to 0.0 MGD and the permit contains water quality-based limits for cBOD5, ammonia, dissolved oxygen, total kjeldahl nitrogen and *E. Coli* (full allocation). Therefore, the unnamed tributary to *Tussocky Creek*, at the point of this facility's discharge, is designated as Tier I and no further review is needed. Permit limits have been established by determining waste load allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These waste load allocations will provide for the protection and maintenance of all existing uses.

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit).

SEE ATTACHMENT 7

20. **SPECIAL CONDITIONS RATIONALE:** Provide a rationale for each of the permit's special conditions, including compliance schedules, toxic monitoring, sludge, ground water, storm water and pretreatment.

SEE ATTACHMENT 8

21. **SLUDGE DISPOSAL PLAN:** Provide a brief description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

As noted in the sludge application form submitted with the revoke and reissuance package, the STP transports sludge to Lynchburg Regional Wastewater Treatment Plant for additional treatment. It is also noted that as a backup sludge is transported and disposed at Campbell County Landfill.

22. **MATERIAL STORED:** List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

Soda Ash – 1200lbs (inside building adjacent to laboratory)

23. **RECEIVING WATERS INFORMATION:** Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260 - Part IX) [along with Parts VII and VIII]. Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied. Attach any memoranda or other information which helped to develop permit conditions (i.e. flow determination memo, tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 9

24. **303(d) LISTED SEGMENTS:** Indicate if the facility discharges directly to a segment that is listed on the current 303(d) list, if the allocations are specified by an approved TMDL and, if so, provide all appropriate information/calculations. If the facility discharges directly to a stream segment that is on the current 303(d) list, the fact sheet must include a description of how the TMDL requirements are being met.

TMDLs are not included in this permit as the receiving waters are not listed on the 303(d) list.

25. **CHANGES TO PERMIT:** Use TABLE A to record any changes from the previous permit and the rationale for those changes. Use TABLE B to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 10

26. **NPDES INDUSTRIAL PERMIT RATING WORKSHEET:**

N/A - This is a municipal facility.

27. **EPA/VIRGINIA DRAFT PERMIT SUBMISSION CHECKLIST:**

SEE ATTACHMENT 11

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from DEQ planning.

The discharge is not addressed in any planning document but will be included when the plan is updated.

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and noted how resolved.

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

The permittee is current with their annual permit maintenance fees.

The facility updated the Financial Assurance (FA) Closure Plan and Cost Estimate on May 5, 2008 and approved on July 11, 2008 to reflect the upgraded plant. All FA documentation is filed with DEQ Regional office and the Office of Financial Management.

31. **SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS:**

Attachment <u>1</u>	Site Inspection Report/Memorandum
Attachment <u>2</u>	Discharge Location/Topographic Map
Attachment <u>3</u>	Schematic/Plans & Specs/Site Map/Water Balance
Attachment <u>4</u>	Discharge/Outfall Description
Attachment <u>5</u>	Limitations/Monitoring
Attachment <u>6</u>	Special Conditions
Attachment <u>7</u>	Effluent/Sludge/Ground Water Limitations/Monitoring Rationale/Suitable Data/ Stream Modeling/Antidegradation/Antibacksliding
Attachment <u>8</u>	Special Conditions Rationale
Attachment <u>n/a</u>	Material Stored
Attachment <u>9</u>	Receiving Waters Info./Tier Determination/STORET Data
Attachment <u>n/a</u>	303(d) Listed Segments
Attachment <u>10</u>	TABLE A and TABLE B - Change Sheets
Attachment <u>n/a</u>	NPDES Industrial Permit Rating Worksheet
Attachment <u>11</u>	EPA/Virginia Draft Permit Submission Checklist
Attachment <u>12</u>	Chronology Sheet
Attachment <u>n/a</u>	

ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

SOUTH CENTRAL REGIONAL OFFICE

7705 Timberlake Road, Lynchburg, Virginia 24502

(434) 582-5120 Fax (434) 582-5125

www.deq.virginia.gov

Preston Bryant
Secretary of Natural Resources

David K. Paylor
Director

Thomas L. Henderson
Regional Director

September 7, 2006

Mr. Claude Royal
Evergreen Mobile Home Park
PO Box 2143
Lynchburg, VA 24501

Re: Technical and Laboratory Inspection Reports
Evergreen Mobile Home Park WWTP – VPDES Permit Number VA0062031 ✓

Dear Mr. Royal:

For your review, I have enclosed the Technical and Laboratory Inspection Reports for the inspection, which took place on August 30, 2006. Please read the reports, giving special attention to the comments and recommendations.

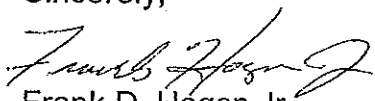
The announced inspection did uncover some deficiencies in the treatment works and laboratory. The report outlines these deficiencies and the accompanying compliance recommendations in the Comments and Recommendations sections.

Please respond to this letter **within 30 days**, outlining the measures you plan to take to correct the deficiencies, which the technical and Laboratory inspection reports has outlined.

I would like to thank Mr. Butch Royal and yourself for your time and cooperation.

If you have any questions regarding the laboratory report, please feel free to contact me at the above address, by telephone (434) 582-6239, or by e-mail fdhogan@deq.virginia.gov.

Sincerely,


Frank D. Hogan Jr.
Water Compliance Inspector

Enclosure

cc: DEQ/OWPP: Steve Stell
DEQ/SCRO: File

Facility:	EVERGREEN MHP
County/city:	LYNCHBURG

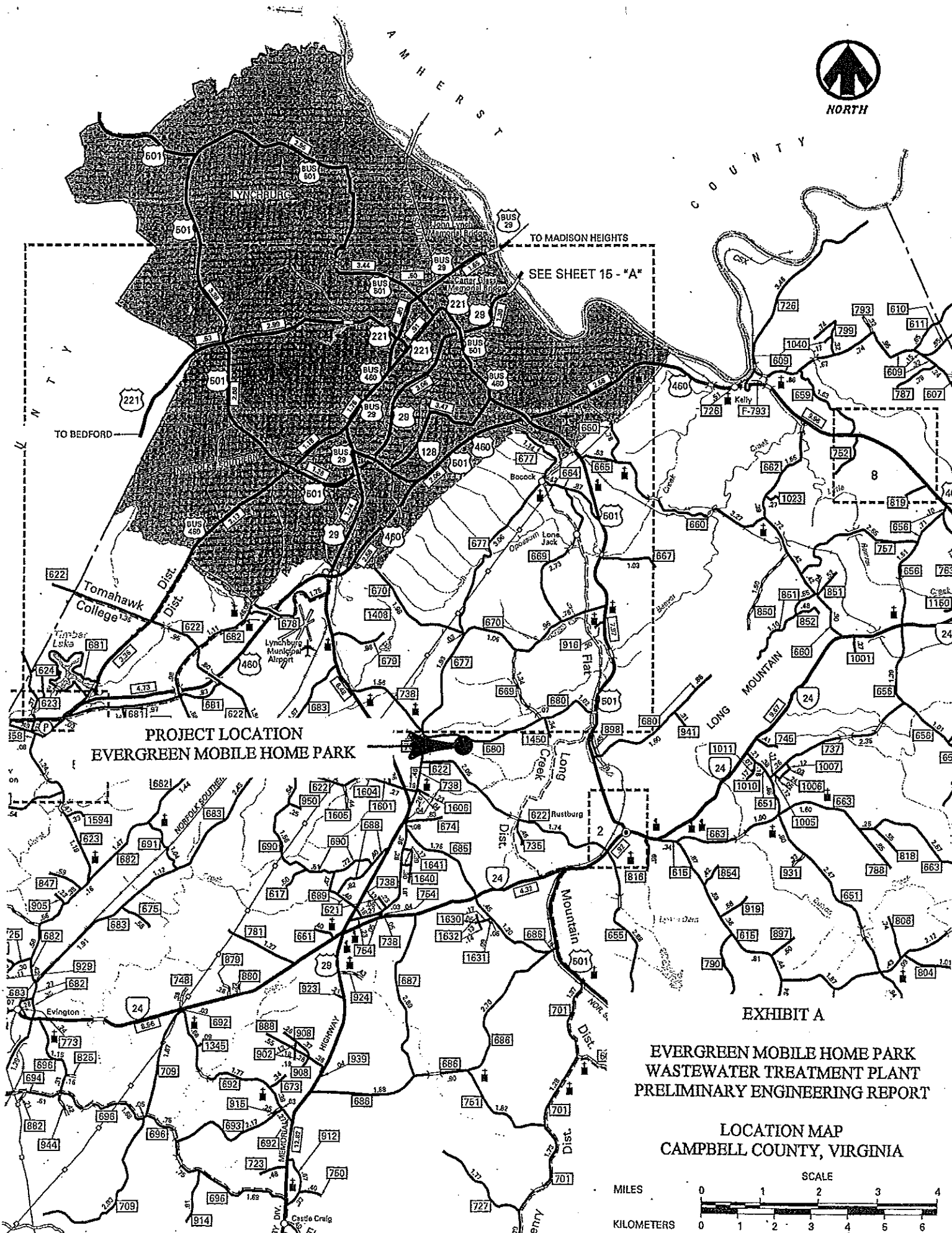
VPDES NO.	VA0062031
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**DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTEWATER FACILITY INSPECTION REPORT
PART 1**

Inspection date:	8/30/06	Date form completed:	9/7/06
Inspection by:	Frank D. Hogan Jr.	Inspection agency:	DEQ/SCRO
Time spent:	2.5 Hours	Announced inspection:	[X] Yes [] No
Reviewed by: Fred T. Di Lella	<i>[Signature]</i>	Photographs taken at site?	[X] Yes [] No
Present at inspection:	Butch Royal, Claude Royal – Evergreen MHP Kevin Crider – DEQ/SCRO		
FACILITY TYPE:		FACILITY CLASS:	
(X) Municipal		() Major	
() Industrial		(X) Minor	
() Federal		() Small	
() VPA/NDC		() High Priority () Low Priority	
TYPE OF INSPECTION:			
Routine	X	Reinspection	Compliance/assistance/complaint
Date of previous inspection:		Agency:	DEQ/SCRO
Population Served:		Connections Served:	
Last Month Average: Influent	BOD ₅ (mg/l)	TSS (mg/l)	Flow (MGD)
	Other:		
Last Month Average: Effluent <u>July 2006</u>	BOD ₅ (mg/l)	TSS (mg/l)	Flow (MGD)
	2	1	0.012
Last Quarter Average: Effluent <u>May – July 2006</u>	BOD ₅ (mg/l)	TSS (mg/l)	Flow (MGD)
	2	1	.0126
Other: E Coli = 225 N/CML NH ₃ = 0.15 mg/l			
Other: E Coli = 96.3 N/CML NH ₃ = 5.18 mg/l			
Data verified in preface:	Updated?	NO CHANGES?	
		YES	X
Has there been any new construction?		YES	X
If yes, were the plans and specifications approved?		YES	X
DEQ approval date:	November 2005		

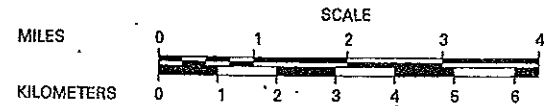
ATTACHMENT 2

DISCHARGE LOCATION/TOPOGRAPHIC MAP



EVERGREEN MOBILE HOME PARK
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

LOCATION MAP
CAMPBELL COUNTY, VIRGINIA



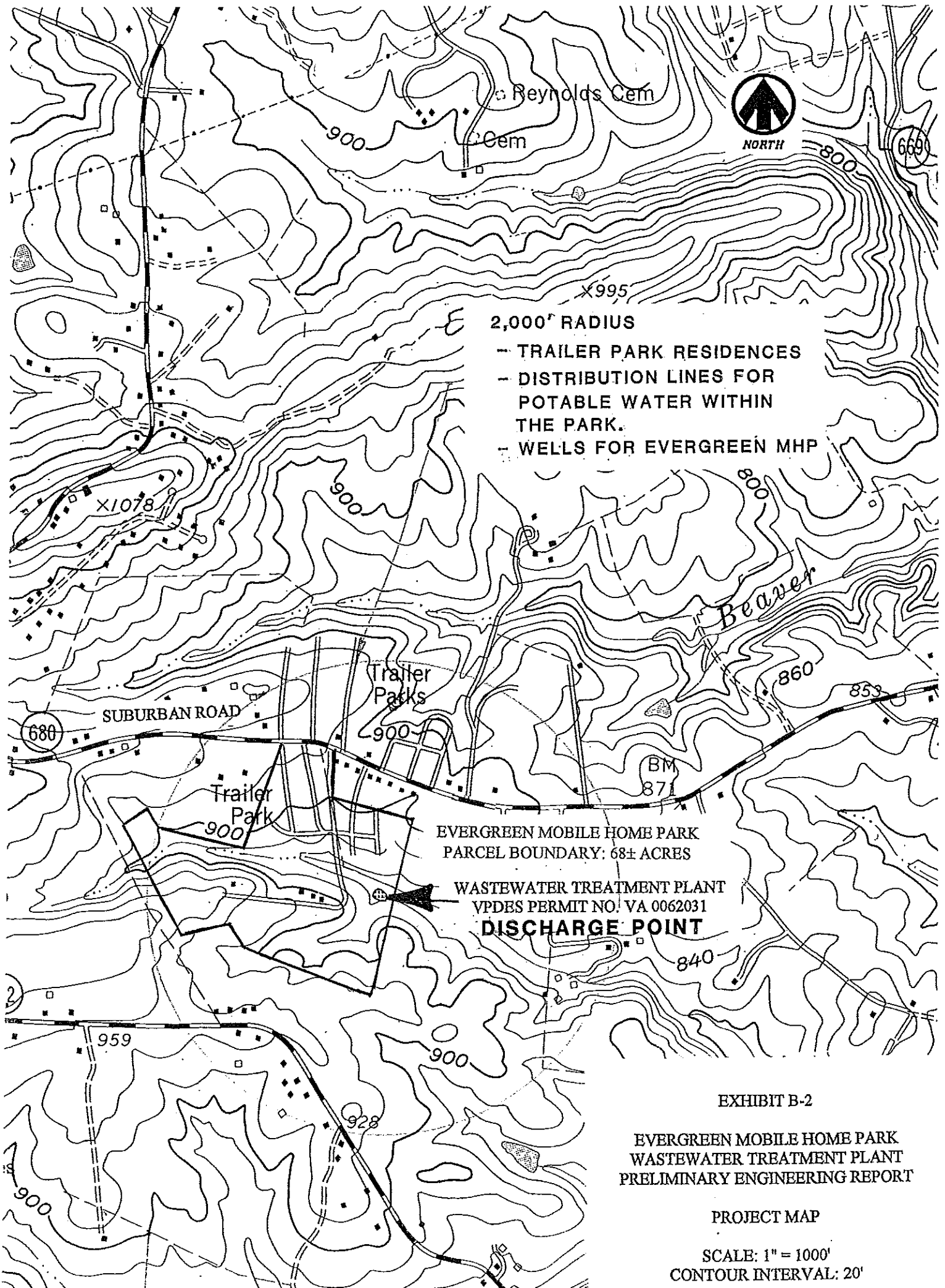
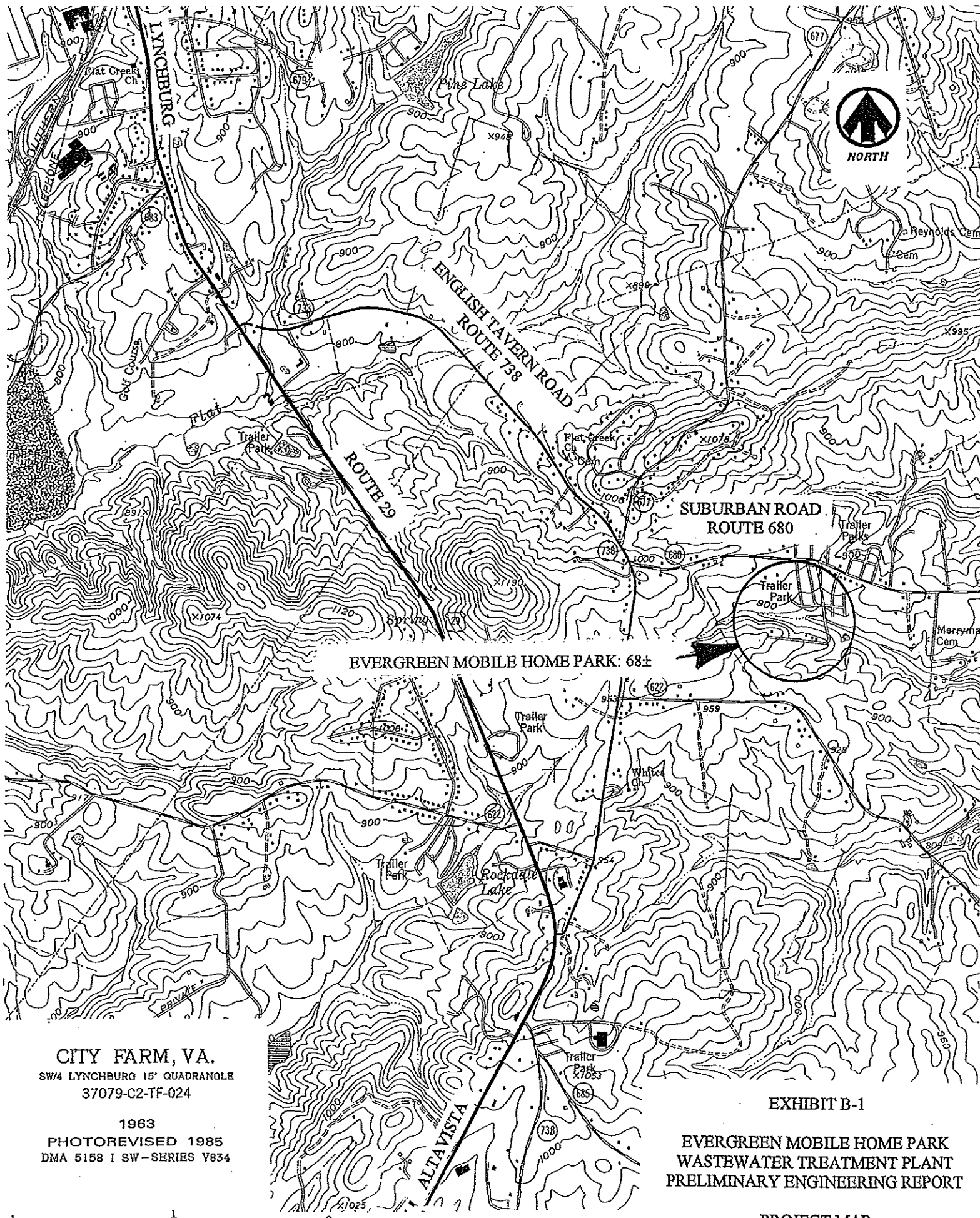


EXHIBIT B-2

EVERGREEN MOBILE HOME PARK
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

PROJECT MAP

SCALE: 1" = 1000'
CONTOUR INTERVAL: 20'



CITY FARM, VA.

SW/4 LYNCHBURG 15' QUADRANGLE
37079-C2-TF-024

1963

PHOTOREVISED 1985
DMA 5158 1 SW-SERIES V834

EXHIBIT B-1

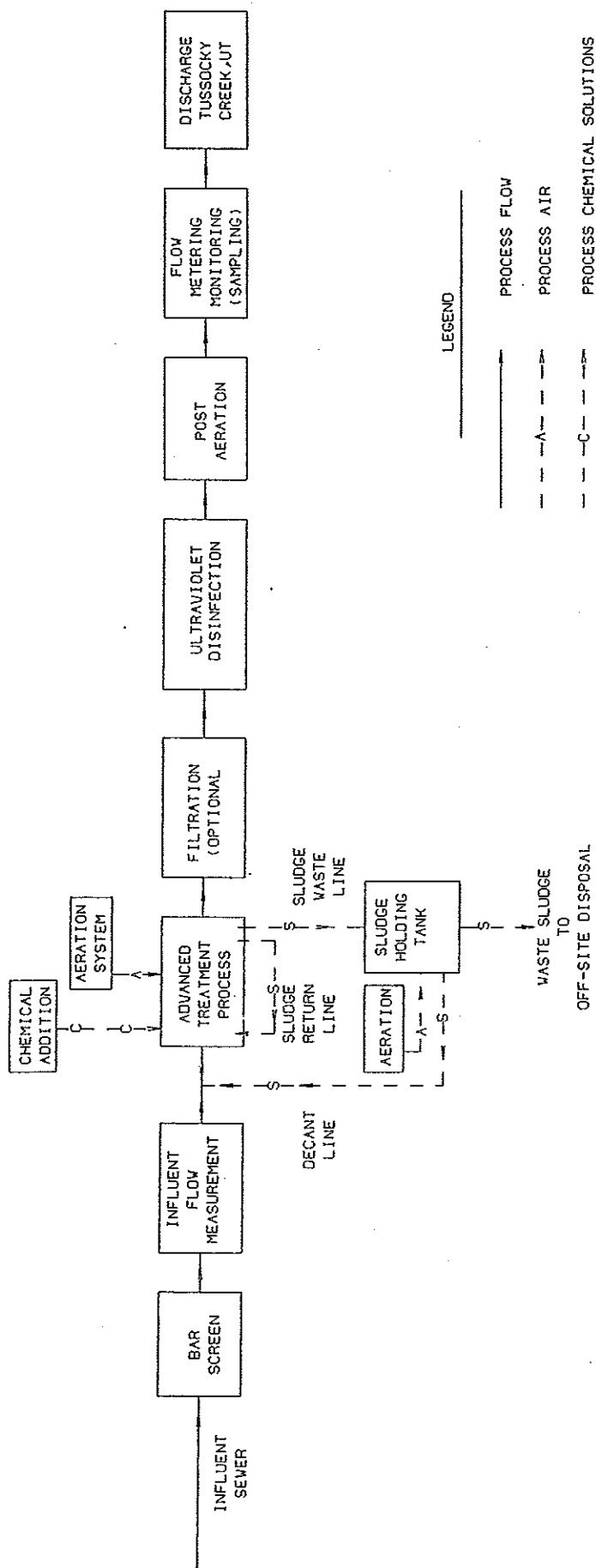
EVERGREEN MOBILE HOME PARK
WASTEWATER TREATMENT PLANT
PRELIMINARY ENGINEERING REPORT

PROJECT MAP

SCALE: 1" = 2000'
CONTOUR INTERVAL: 20'

ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/
WATER BALANCE



DESIGN CAPACITY:
 MINIMUM : 15,000 GPD
 RECOMMENDED: 24,000 GPD

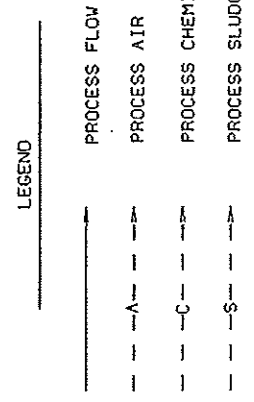


EXHIBIT D
 EVERGREEN MOBILE HOME PARK
 WASTEWATER TREATMENT PLANT
 PRELIMINARY ENGINEERING REPORT
 PROPOSED FACILITY REPLACEMENT
 TREATMENT SCHEMATIC
 N.T.S.

ATTACHMENT 4

DISCHARGE/OUTFALL DESCRIPTION

TABLE I

NUMBER AND DESCRIPTION OF OUTFALLS

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE (1)	TREATMENT (2)	FLOW (3)
001	Tussocky Creek, UT 37° 17' 53" 79° 08' 59"	Domestic Sewage from a mobile home community serving 206 people.	The treatment system includes bar screen, influent flow metering, extended air secondary treatment, filtration, ultraviolet disinfection, post aeration, effluent flow metering and a sludge holding tank.	0.024 MGD

(1) List operations contributing to flow

(2) Give brief description, unit by unit

(3) Give maximum 30-day average flow for industry and design flow for municipal

ATTACHMENT 5

LIMITATIONS/MONITORING

MUNICIPAL EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 001 DESIGN FLOW: 0.024 MGD
 Outfall Description: Final effluent following post-aeration.
 SIC CODE: 4952 NAICS CODE: 221320 (Sewage Treatment Facilities)

(X) Final Limits () Interim Limits Effective Dates - From: Permit Effective date To: Permit expiration date

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	MONTHLY AVERAGE		WEEKLY AVERAGE		MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
	mg/l*	kg/day*	mg/l*	kg/d*	mg/l*	mg/l*		
Flow (MGD) [a]	NL		NA		NA	NL	1/Day	Estimate
cBOD5 [b]	14	1.27	21	1.9	NA	NA	1/Month	Grab
Total Suspended Solids	30	2.7	45	4.08	NA	NA	1/Month	Grab
Ammonia as N [b]	2.05	NA	2.05	NA	NA	NA	1/Month	Grab
Dissolved Oxygen	NA		NA		6.0	NA	1/Day	Grab
pH (standard units)	NA		NA		6.0	9.0	1/Day	Grab
Total Kjeldahl Nitrogen [b]	7.0	0.63	10.5	0.95	NA	NA	1/Month	Grab
<i>E. coli</i> (N/CML - geometric mean) [c]	126		NA		NA	NA	1/Week	Grab

* = UNLESS OTHERWISE NOTED NA = NOT APPLICABLE NL = NO LIMIT, MONITORING REQUIREMENT ONLY

[a] See Part I.B.5. for additional flow requirements.

[b] See Parts I.B.6.a. and I.B.6.b. for quantification levels and reporting requirements, respectively.

[c] Samples shall be taken between the hours of 10:00 a.m. and 4:00 p.m.

The design flow of this treatment facility is 0.024 MGD.
 The 30-day average percent removal for BOD5 and TSS shall not be less than 85 percent for this effluent.
 There shall be no discharge of floating solids or visible foam in other than trace amounts.

BASES FOR LIMITATIONS/MONITORING:

PARAMETER	MULTIPLIER OR PRODUCTION	TECHNOLOGY	WATER QUALITY	BEST PROFESSIONAL JUDGMENT
Flow	Design flow (0.024 MGD)			X
pH	NA		X	
cBOD5 (mg/l)	Water quality model (monthly avg.) 1.5 x monthly avg. (weekly max.)		X	
cBOD5 (kg/d)	Design flow (0.024 MGD)		X	
TSS (mg/l)	30/45	X		
TSS (kg/d)	Design flow (0.024 MGD)	X		
Ammonia as N (mg/l)	NA		X	
Total Residual Chlorine	NA		X	
Dissolved Oxygen			X	
Total Kjeldahl Nitrogen (mg/l)	Water quality model (monthly avg.) 1.5 x monthly avg. (weekly max.)		X	
Total Kjeldahl Nitrogen (kg/d)	Design flow (0.024 MGD)		X	
<i>E. coli</i> (N/CML - geometric mean)	NA		X	

ATTACHMENT 6

SPECIAL CONDITIONS

VPDES PERMIT PROGRAM
LIST OF SPECIAL CONDITIONS

B. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1. Sludge Reopener

This permit may be modified or, alternatively, revoked and reissued if any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the Clean Water Act is more stringent than any requirements for sludge use or disposal in this permit, or controls a pollutant or practice not limited in this permit.

2. Financial Assurance and Disclosure to Purchasers

The permittee shall provide continuous coverage to implement the approved closure plan until released from financial assurance requirements by the State Water Control Board. If a transfer of ownership or operational control of this facility occurs, the permittee shall comply with the requirements of 9 VAC 25-650 until the new owner or operator has demonstrated compliance with the requirements of 9 VAC 25-650. Failure to maintain adequate financial assurance in accordance with 9 VAC 25-650 shall be a basis for termination of this VPDES permit.

During the term of this VPDES permit, the permittee shall revise the closure plan implementation cost estimate concurrently with any revision made to the closure plan which increases the closure plan cost. At a minimum, the permittee shall annually adjust the closure plan implementation cost estimate in accordance with 9 VAC 25-650 within 60 days prior to the anniversary date of the establishment of the approved financial assurance mechanism.

Annual Review/Adjustment Due: No later than July 20th of 2009, 2010, 2011, 2012 and 2013.

The permittee shall disclose the provisions of this permit to all purchasers of property served by this permitted facility in accordance with Section 55-519 of the Code of Virginia.

3. Licensed Wastewater Operator Requirement

The permittee shall employ or contract at least one Class III licensed wastewater works operator for the facility. The license shall be issued in accordance with Title 54.1 of the Code of Virginia and the regulations of the Board for Waterworks and Wastewater Works Operators. The permittee shall notify the DEQ Regional Office, in writing, whenever he is not complying, or has grounds for anticipating he will not comply with this requirement. The notification shall include a statement of reasons and a prompt schedule for achieving compliance.

4. Reliability Class Requirement

The permitted treatment works shall meet Reliability Class III.

5. Operations and Maintenance (O & M) Manual

The permittee shall review the existing O & M Manual and notify the DEQ Regional Office, in writing, that it is still accurate and complete. If the O & M Manual is no longer accurate and complete, a revised O & M Manual shall be submitted for approval to the DEQ Regional Office. The permittee shall maintain an accurate, approved O & M Manual for the treatment works and operate the treatment works in accordance with the approved O & M manual. This manual shall include, but not necessarily be limited to, the following items, as appropriate:

- a. Treatment works design and operation, routine preventative maintenance of units within the treatment system, critical spare parts inventory and record keeping;
- b. Procedures for measuring and recording the duration and volume of treated wastewater discharged;
- c. Techniques to be employed in the collection, preservation and analysis of effluent samples; and,
- d. Procedures for handling, storing, and disposing of all wastes, fluids, and pollutants characterized in Part I.B.8. (Materials Handling and Storage) that will prevent these materials from reaching state waters.

Letter/Revised Manual Due: No later than October 10, 2009.

6. 95% Design Capacity Notification

A written notice and a **plan of action** for ensuring continued compliance with the terms of this permit shall be submitted to the DEQ Regional Office when the monthly average flow influent to the sewage treatment plant reaches 95 percent of the design capacity authorized in this permit for each month of any three consecutive month period. The written notice shall be submitted within 30 days and the plan of action shall be received at the DEQ Regional Office **no later than 90 days from the third consecutive month for which the flow reached 95 percent of the design capacity.** The plan shall include the necessary steps and a prompt schedule of implementation for controlling any current or reasonably anticipated problem resulting from high influent flows. Failure to submit an adequate plan in a timely manner shall be deemed a violation of this permit.

7. Compliance Reporting Under Part I.A. and I.B.

a. Quantification Levels

- (1) Maximum quantification levels (QL) shall be as follows:

<u>Effluent Characteristic</u>	<u>Quantification Level</u>
cBOD ₅	5.0 mg/l
Ammonia	0.20 mg/l
Total Kjeldahl Nitrogen	0.50 mg/l

- (2) The permittee may use any approved method which has a QL equal to or lower than the QL listed in a.(1) above. The QL is defined as the lowest concentration used to calibrate a measurement system in accordance with the procedures published for the method.
- (3) It is the responsibility of the permittee to ensure that proper QA/QC protocols are followed during the sampling and analytical procedures. QA/QC information shall be documented to confirm that appropriate analytical procedures have been used and the required QLs have been attained.

b. Reporting

- (1) **Monthly Average** -- Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in a.(1) above shall be determined as follows: All concentration data below the test method QL shall be treated as zeros. All concentration data equal to or above the QL shall be treated as reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the DMR as calculated. If all data are below the QL, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the calculated concentration is <QL, then report "<QL" for the quantity; otherwise, use the calculated concentration to calculate the quantity.

- (2) **Maximum Weekly Average** -- Compliance with the weekly average limitations and/or reporting requirements for the parameters listed in a.(1) above shall be determined as follows: All concentration data below the test method QL shall be treated as zeros. All concentration data equal to or above the QL shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each complete calendar week entirely contained within the reporting month. The maximum value of the weekly averages thus determined shall be reported on the DMR. If all data for each weekly average are below the QL, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the calculated concentration for each weekly average is <QL, then report "<QL" for the quantity; otherwise, use the calculated maximum value of the weekly averages to calculate the quantity.
- (3) Any single datum required shall be reported as "<QL" if it is less than the test method QL listed in a.(1) above. Otherwise, the numerical value shall be reported.

8. **Materials Handling and Storage**

Any and all product, materials, industrial wastes, and/or other wastes resulting from the purchase, sale, mining, extraction, transport, preparation and/or storage of raw or intermediate materials, final product, by-product or wastes, shall be handled, disposed of and/or stored in such a manner so as not to permit a discharge of such product, materials, industrial wastes and/or other wastes to State waters, except as expressly authorized.

9. **Indirect Dischargers**

The permittee shall provide adequate notice to the DEQ Regional Office of the following:

- a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Section 301 or 306 of Clean Water Act and the State Water Control Law if it were directly discharging those pollutants; and
- b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of this permit.

Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the treatment works, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the treatment works.

10. **Sludge Management Plan**

The permittee shall conduct all sewage sludge use or disposal activities in accordance with the Sludge Management Plan (SMP) approved with the issuance of this permit. Any **proposed changes** in the sewage sludge use or disposal practices or procedures followed by the permittee shall be documented and **submitted for Department of Environmental Quality and Department of Health approval 90 days prior to the effective date of the changes**. Upon approval, the revised SMP becomes an enforceable part of the permit. The permit may be modified or, alternatively, revoked and reissued to incorporate limitations or conditions necessitated by substantive changes in sewage sludge use or disposal practices.

11. Permit Application Requirement

In accordance with Part II. M. of this permit, a new and complete permit application shall be submitted for the reissuance of this permit.

Application Due: No later than October 9, 2013.